

INTERNATIONAL SEARCH REPORT

 International application No.
PCT/KR2004/002517

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A61K 7/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC:A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean patents and applications for inventions since 1975Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
JICST-EPLUS(STN), KOSMET(STN), CAPLUS(STN), SCISEARCH(STN), BIOTECHNO(STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| Y | US 5,472,698 (ELIZABETH ARDEN CO., LTD) 5 DECEMBER 1995 see the column 1 | 1-13 |
| Y | US 6,348,201 B2 (KIBUN FOOD CHEMIFA CO., LTD.) 19 FEBRUARY 2002 see the column 1 and 2 | 1-13 |
| A | US 5,658,575 (L'OREAL) 19 AUGUST 1997 see the column 4 line 67 | 1-13 |
| A | EP 730032 A2 (YAKURIGAKU CHUO KENKYUSHO) 4 SEPTEMBER 1996 See the whole document | 1-13 |
| A | KR 01-11241 A (DUSAN CO., LTD) 15 FEBRUARY 2001 see the abstract | 1-13 |

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 JANUARY 2005 (13.01.2005)

Date of mailing of the international search report

14 JANUARY 2005 (14.01.2005)

Name and mailing address of the ISA/KR

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| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
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| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | COHEN, RIVKA et al, "Characterization of the association of Electrophorus electricus acetylcholinesterase with sphingomyelin liposomes. Relevance to collagen-sphingomyelin interactions", Biochimica et Biophysica Acta, 1984, Israel, Vol.778, No.1, pp.94-104 | 1-13 |
| A | BEYER N et al, "Skin Protection Properties of Compatible Solutes Ectoin against UVA-Induced Damage and skin aging", Personal Care Ingredients Asia Conference Proceedings, 5-7 March 2003, Philipphines, pp.87-88 | 1-13 |
| A | TOKUNAGA, KAZUNOBU et al, " Prospective Problems of New Anti-aging cosmetics in 1990's", Fragrance Journal, 1993, Japan, Vol.21, No.1, pp.51-56 | 1-13 |
| P, A | COLOMBAIONI, LAURA, "Sphingolipid Metabolites in Neural Signalling and function", Brain Research Reviews, 2004, Italy, Vol.46, No.3, pp.328-355 | 1-13 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/002517

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
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| US 6348201 B2 | 19.02.2002 | JP 11043437 A2 EP 887070 B1 EP 887070 A1 CA 2239295 AA | 16.02.1999 22.12.2004 30.12.1998 30.11.1998 |
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| KR 01-11241 A | 15.02.2001 | None | |